



# HW 1.

Name:

Solve the equations:

1)  $-2(5x+1)+4x-7(7x-10)+8=-10(-x+9)+15$

2)  $x^2+5x-10=0$

3)  $-4x^2+43x-30=0$

4)  $x^2+3x=0$

5)  $k^2-25=0$

Solve the systems (in both  
the ways:  
elimination - substitution)

$$\begin{aligned} a) \quad & 4x - y = 14 \\ & -5x + 2y = 13 \end{aligned}$$

$$\begin{aligned} b) \quad & 5x + 2y = 34 \\ & 34x - y = -17 \end{aligned}$$

$$\begin{aligned} c) \quad & 3x - 13y = 0 \\ & -24x + 104y = 0 \end{aligned}$$